

Work Order ID 144880

April 26, 2016 1:58:04 PM

144880

Page 1

Item ID: D2017-105 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Tie Outboard STA 129
 Start Date: 4/27/2016 Start Qty: 2.00 *4 5H
 Required Date: 5/4/2016 Req'd Qty: 2.00 *4 5H
 Reference: Cust Item ID:
 Customer:

Approvals: Process Plan: SK Date: 160426 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2017	Rev F								
100		0.00							
100									
Brake NC	Memo	0.00							
Brake NC	Punch tube type 304-2B Drill hole to .257" as per Dwg and spec control D2638 Deburr								
110	QC5- Inspect part completeness to step on W/O	0.00							
110									
QC	Memo	0.00							
Quality Control									
120	White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel	0.00							
120	<u>M/B4371</u>								
Powdercoat	Memo	0.00							
Powder Coating									

START: 10:15.
 OV. T: 400°
 FINISH: 10:45.

4 FF APR 29 2016

④ 16-04-29 DAS 9 9-89

4 16-05-2 838

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																											
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Page 2

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Revision ID: Stop ***NS2***
Item Name: Tie Outboard STA 129
Start Date: 4/27/2016 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 5/4/2016 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	QC3- Inspect Part Finish	0.00							DAS 38 9-82
130						(4)			
QC	Memo	0.00							
Quality Control									MAY 02 2016
140	Identify as per dwg & Stock Location 51358	0.00							
140						4			
Packaging	Memo	0.00							MAY 04 2016
Packaging									
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									MAY 04 2016

MCS MAY 04 2016

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Picklist Print

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Page 1
7

Work Order ID: 144880

144880

Parent Item: D2017-105

D2017-105

Parent Item Name: Tie Outboard STA 129

Start Date: 4/27/2016

Required Date: 5/4/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP E02.06.19 Added finishing level (Ref. ECN 435) KJ/RF

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TR0.750W.049		Purchased		No		100	f	183.2956	1.2666	2.666526			

M304TR0 750W 049

304 RD Tube .750 x .049W

**

FR APR 26 2016

Location

Loc Qty

Loc Code

GA002

176.3228262

M132270

0.00001

M133131

0.0007242

M133509

14.210211

M133700

8.85327

M133914

17.31816

M134138

2.610134

M134212

9.8302125

M134306

43.5001045

M134528

80

MAT

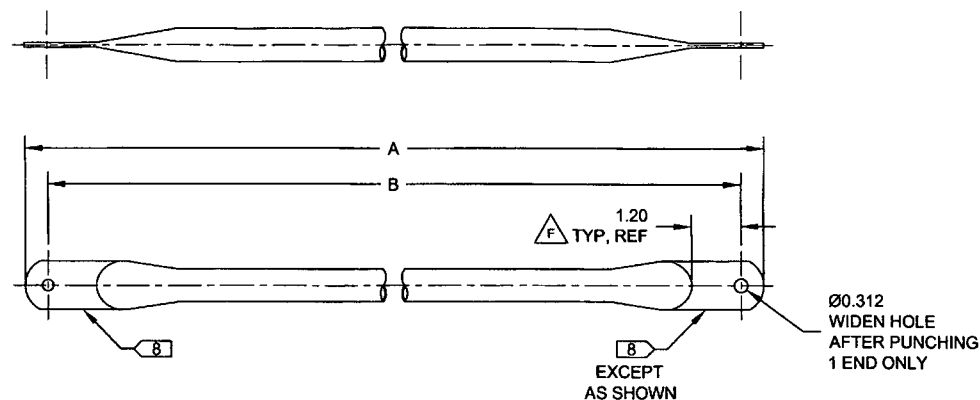
6.9727347

M133400

6.9727347

1.333263

~~0.00000000~~ 3.999789



D2017-XXX STEP STRUT

PART NUMBER	A	B
D2017-101	17.73	16.93
D2017-103	18.74	17.94
D2017-113	20.50	19.70

20160426

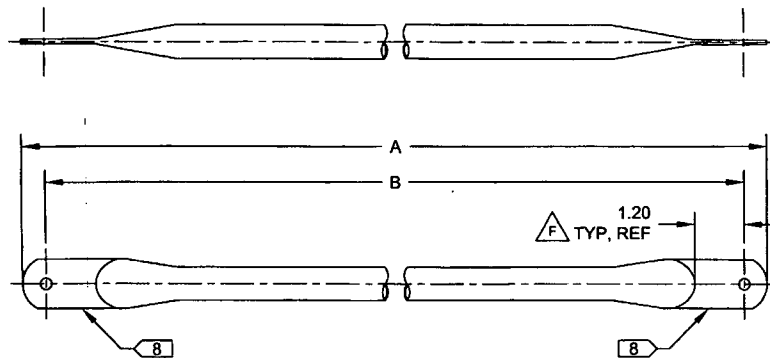
RELEASED
29/04/16

SA 144880

F	DRAWING TRANSFERRED TO "B" FORMAT AND TO CURRENT STANDARDS. REDRAWN FOR CLARITY 1.20 REF DIM ADDED. SEE PAR 09-002 FOR DETAILS.	AJS	09.03.06
E	ENDS PUNCHED PER SPEC CTRL; -119 CHANGE (TSR A897) ADD FINISH (INCORPORATE E1)	CP	02.03.22
D	ADDED PARTS	BW	96.03.28
C	ADDED PARTS	BW	95.01.26
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D2017	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		STEP STRUTS	NTS
DATE	09.03.06	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS TO BE USED ONLY ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

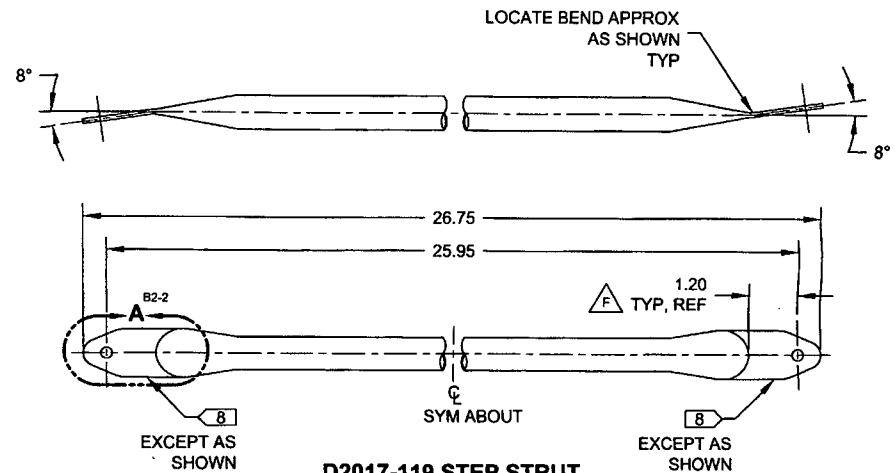
NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBE, Ø0.750 x 0.049 WALL
REF. DART SPEC M304TR0.750W.049
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2017-XXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: N/A
- 8) PUNCH ENDS PER SPEC CONTROL DRAWING D2638.

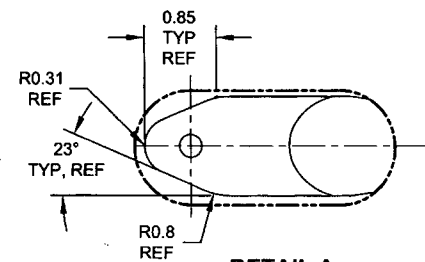


D2017-XXX STEP STRUT

PART NUMBER	A	B
D2017-105	14.95	14.15
D2017-107	15.61	14.81
D2017-109	13.93	13.13
D2017-111	15.30	14.50
D2017-115	12.42	11.62
D2017-117	13.86	13.06
D2017-121	12.30	11.50
D2017-123	12.92	12.12
D2017-125	19.55	18.75
D2017-127	20.30	19.50
D2017-129	31.43	30.63
D2017-131	19.68	18.88
D2017-201	21.31	20.51
D2017-203	16.39	15.59
D2017-205	16.53	15.73
D2017-207	13.85	13.05
D2017-209	15.64	15.33
D2017-211	15.67	14.87
D2017-213	15.82	15.02
D2017-215	16.47	15.67
D2017-217	16.70	15.90
D2017-219	13.65	12.85
D2017-221	13.58	12.78
D2017-223	12.95	12.15
D2017-225	13.99	13.19
D2017-227	30.67	29.87
D2017-133	30.66	29.86



D2017-119 STEP STRUT
(SHOWN PRIOR TO BENDING)



DETAIL A D4-2
TRIM AFTER PUNCHING PER DT8360
SCALE 2X

RELEASED
09/04/16 AM

DESIGN	BW	DART AEROSPACE LTD	
DRAWN	A.S.	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D2017	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		STEP STRUTS	NTS
DATE	09.03.06	COPYRIGHT © 1995 BY DART AEROSPACE LTD	
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INSPECTION SHEET

DAS
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